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487/239, 487/00

Ling [SG/SG]: 892A Tampines Ave. 8, #09-20, 521892
Singapore (SG). WANG, Yue [SG/SG]: 1B Gillman
Heights, #07-18, 101001 Singapore (SG). TAN, Yin,
Hwee [SG/SG]: 3 Pandan Valley, #11-308 Chempaka
Court, 597627 Singapore (SG).

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(74) Agent: MACRAE & CO.: P.O. Box 806, Station B, Ottawa, Ontario K2P 2G3 (CA).

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(71) Applicant (*for all designated States except US*): INSTITUTE OF MOLECULAR AND CELL BIOLOGY [SG/SG]: 30 Medical Drive, 117609 Singapore (SG).

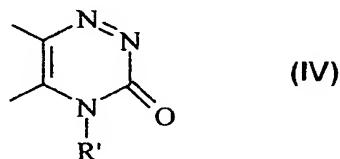
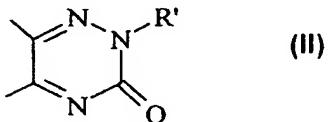
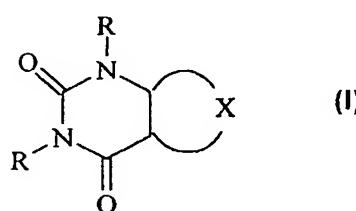
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[Continued on next page]

(54) Title: PROTEIN TYROSINE PHOSPHATASE INHIBITOR



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(57) Abstract: Use of a compound of formula (I), wherein each R, which are the same or different, is H or C₁-C₆ alkyl, and X completes a ring which is a substituted triazine having one of the following formulae (II) to (IV), wherein R' is H or C₁-C₆ alkyl; or an enol tautomer of a compound of formula (I) in which any of the groups R or R' is hydrogen; in the manufacture of a medicament for use as a protein tyrosine phosphatase (PTP) inhibitor. Formula (I) embraces 2-methylservalenulone, which can be produced by fermentation of a novel microbial strain. Fermentation of the said strain also produces novel precursors to 2-methylservalenulone having utility as prodrugs.

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- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07D A61K							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) BIOSIS, EPO-Internal, CHEM ABS Data, WPI Data							
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Category *</th> <th style="text-align: left; padding: 2px;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="text-align: left; padding: 2px;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px; vertical-align: top;">X</td> <td style="padding: 2px; vertical-align: top;"> AZEV YU A ET AL: "Products of the interaction of fervenulin-3-one-4-oxide with o-phenylenediamines" KHIMIKO-FARMATSEVTICHESKII ZHURNAL, vol. 34, no. 9, September 2000 (2000-09), pages 39-41, XP002186272 ISSN: 0023-1134 first paragraph and references 1 and 4 cited therein page 494 --- -/-/ </td> <td style="padding: 2px; vertical-align: top;">4</td> </tr> </tbody> </table>		Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	AZEV YU A ET AL: "Products of the interaction of fervenulin-3-one-4-oxide with o-phenylenediamines" KHIMIKO-FARMATSEVTICHESKII ZHURNAL, vol. 34, no. 9, September 2000 (2000-09), pages 39-41, XP002186272 ISSN: 0023-1134 first paragraph and references 1 and 4 cited therein page 494 --- -/-/	4
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.							
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed							
T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family							
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Authorized officer Goss, I						

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	AZEV YU A ET AL: "SYNTHESIS AND SOME PHARMACOLOGICAL PROPERTIES OF ISO FERVENULIN DERIVATIVES" KHIMIKO-FARMATSEVTICHESKII ZHURNAL, vol. 14, no. 4, 1980, pages 39-44, XP002186273 ISSN: 0023-1134 first and second paragraph page 230 ---	4
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